CLAIMS

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	1.	An infra-red reflecting layered structure, said layered structure comprising
5	-	a transparent substrate layer;
	-	a first metal oxide layer;
	-	a first silver containing layer;
	-	a second metal oxide layer;
,	-	a second silver containing layer;
10	-	a third metal oxide layer;
		said first, second and third metal oxide layer having a refractive index of at least 2.40 at a wavelength of 500 nm and said layered
		structure laminated on glass having a visual light transmittance
15		(VLT) higher than 70 % and a solar heat gain coefficient (SHGC) lower than 0.44.
20	2.	A layered structure according to claim 1, whereby said layered structure has a light to solar gain ratio (LSG ratio) higher than 1.60.
	3.	A layered structure according to claim 1 or claim 2, whereby said metal oxide layer comprises TiO ₂ .
25	4.	A layered structure according to claim 3, whereby said TiO ₂ is mainly composed of rutile phase.

A layered structure according to any one of the preceding claims,

intermediate layer, said intermediate layer being located between a silver containing layer and a metal oxide layer and/or between

whereby said layered structure comprises at least one

a metal oxide layer and a silver containing layer.

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- A layered structure according to claim 5, whereby said intermediate layer comprises gold.
- A layered structure according to any one of the preceding claims, whereby said first and second silver containing layer have a thickness between 10 and 25 nm.
- 8. A layered structure according to any one of the preceding claims, whereby said first, second and third metal oxide layer have a thickness between 25 and 70 nm.
 - 9. Use of a layered structure according to any one of claims 1 to 8 as a transparent heat-mirror.
- 15 A method of reducing the number of silver containing layers in an infra-red reflecting layered structure, said method comprising the following steps:
 - providing a transparent substrate layer;
 - depositing upon said substrate layer a first metal oxide layer having a refractive index of at least 2.40 at a wavelength of 500 nm;
 - depositing upon said first metal oxide layer a first silver containing layer;
 - depositing upon said first silver containing layer a second metal oxide layer having a refractive index of at least 2.40 at a wavelength of 500 nm;
 - depositing upon said second metal oxide layer a second silver containing layer;
 - depositing upon said second silver containing layer a third metal oxide layer having a refractive index of at least 2.40 at a wavelength of 500 nm.
 - 11. A method of improving the visual light transmittance of an infrared reflecting layered structure, said method comprising the following steps:

- providing a transparent substrate layer;
- depositing upon said substrate layer a first metal oxide layer having a refractive index of at least 2.40 at a wavelength of 500 nm;
- depositing upon said first metal oxide layer a first silver containing layer;
 - depositing upon said first silver containing layer a second metal oxide layer having a refractive index of at least 2.40 at a wavelength of 500 nm;
- depositing upon said second metal oxide layer a second silver containing layer;
 - depositing upon said second silver containing layer a third metal oxide layer having a refractive index of at least 2.40 at a wavelength of 500 nm.

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